

## Abstract of the Disclosure

A power capacitor including at least one capacitor element enclosed in a container, wherein the container is of a material which substantially includes a first polymer material. Further, the container is cylindrical and provided in its surface with creepage distance extending protrusions of a second polymer material. The protrusions are formed with respect to their thickness and radial length so as to cool the capacitor. In a method for manufacturing such a power capacitor, a substantially cylindrical container is made of a material which substantially includes a first polymer material. The container is provided on its envelope surface with creepage distance-extending protrusions of a second polymer material and the capacitor elements are encapsulated in the container.